### INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000666

#### A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B29C 45/14
According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

## IPC7: B29C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

## SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## EPO-INTERNAL, WPI DATA, PAJ

#### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X	US 4643789 A (HARRY A. PARKER ET AL), 17 February 1987 (17.02.1987), column 8, line 52 - line 62; column 9, line 37 - line 40; column 11, line 15 - line 21, column 11, line 43 - line 51; figure 1; abstract	1-11	
-	<del></del>	,	
<b>X</b>	WO 0243946 A1 (FOUNTAIN TECHNOLOGIES B.V.), 6 June 2002 (06.06.2002), page 8, line 3 - line 16, figure 2, abstract	1-3,7-10	
•	<del></del>		
x	US 6382448 B1 (YUKITOMO YUHARA ET AL), 7 May 2002 (07.05.2002), column 18, line 52 - column 20, line 10, abstract	1-3,7-10	

See patent family annex.

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- earlier application or patent but published on or after the international filing date
- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- document referring to an oral disclosure, use, exhibition or other means
- document published prior to the international filing date but later than the priority date claimed
- later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of mailing of the international search report

Date of the actual completion of the international search

14 March 2005

1 5 -03- 2005

Name and mailing address of the ISA/

**Swedish Patent Office** 

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000666

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C (Continu	ation). DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relev	ant passages	Relevant to claim No.		
A	US 20010022840 A1 (CHUL KI KWAK), 20 Sept 2001 (20.09.2001), paragraph 0027-0029		1-11		
A	WO 02060667 A1 (INTESYS TECHNOLOGIES, INC.), 8 August 2002 (08.08.2002), page 5, line 9 - line 15, abstract		1-11		
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# INTERNATIONAL SEARCH REPORT Information on patent family members

01/03/2005

International application No. PCT/FI 2004/000666

US	4643789	A	17/02/1987	EP EP	0264498 0258501	A A	27/04/1988 09/03/1988
				ÜS	4650533	Ä	17/03/1987
WO	0243946	A1	06/06/2002	AU NL	1761902 1016773		11/06/2002 00/00/0000
US	6382448	B1	07/05/2002	DE JP JP	10029678 2001007545 2001036258	A	08/02/2001 12/01/2001 09/02/2001
US	20010022840	A1	20/09/2001	CN CN	1146210		14/04/2004 26/09/2001
				DE KR	10112006	A Y	27/09/2001 01/09/2000
			•	KR KR US	2000049437	Y A B	15/11/2000 05/08/2000 04/01/2005
				US WO	20040108618	A A	10/06/2004 20/09/2001
WO	02060667	A1	08/08/2002	US	20020100387		01/08/2002